

Title (en)

APPARATUS FOR GENERATING USER INTEREST INFORMATION AND METHOD THEREFOR

Title (de)

GERÄT ZUR ERZEUGUNG VON BENUTZERINTERESSENSINFORMATIONEN UND VERFAHREN DAFÜR

Title (fr)

APPAREIL PERMETTANT DE GÉNÉRER DES INFORMATIONS D'INTÉRÊT D'UN UTILISATEUR ET PROCÉDÉ CORRESPONDANT

Publication

EP 3694220 A4 20200812 (EN)

Application

EP 18877211 A 20180404

Priority

- KR 20170149414 A 20171110
- KR 2018003972 W 20180404

Abstract (en)

[origin: EP3694220A1] The present invention relates to an artificial intelligence (AI), which emulates functions of a human brain, such as recognition and reasoning, by utilizing a machine learning algorithm such as deep learning, and relates to context awareness based artificial intelligence application technology for obtaining interest information of a user from an image displayed to the user. An electronic device, according to one embodiment of the present invention acquires context data related to the image, and uses the context data to select a node of interest corresponding to the context data from among nodes of an index tree for searching for sample images which correspond to candidate objects extracted from the image by using a model generated as a result of machine learning, wherein the node of interest is selected by using a result of comparison between a subject of each node of the index tree and the context data; and an object of interest is selected from among the candidate objects included in the image by using the node of interest.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [I] US 2010260426 A1 20101014 - HUANG JOSEPH JYH-HUEI [US], et al
- [A] US 2016162731 A1 20160609 - LI FEI-FEI [US], et al
- [A] WO 9952080 A1 19991014 - SYNAPIX INC [US]
- [A] US 2016062993 A1 20160303 - LEE HEE-KUK [KR], et al
- [A] US 2014037198 A1 20140206 - LARLUS-LARRONDO DIANE [FR], et al
- See references of WO 2019093599A1

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